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OTHER **REG** **REF-016** **HOMEPHONE:** _____
 REG **CONTACT** **HOMEPHONE:** _____

May 1961

[illegible]

LORENZO ROAD 4 MI WEST OF I 55

01 AUG 1968 081500W

• 6111 MORRIS

• Count: GRINDY

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... 60450

CONGRESSIONAL ASSIGNMENT: ☐ ☐

ACCOUNT NO:

USGS HYDRO UNIT: -----

AGGREGATE CASE BUDGET OBLIGATIONS: -----
AGGREGATE FUND OBLIGATIONS: 100

• SITE/INCIDENT ABSTRACT: _____

PRTT CLASSIFICATION: --

(MSG) PUBLIC LEAD/NEGOT
(PR) FEDERAL ENFORCEMENT
(AP) VOLUNTARY/NEGOTIATED RES.

(F) FUND LEAD/NO NEGOT
(S) STATE NON-FUND
(L) LIMITED TIME FOR NEGOTIATION

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(SE) STATE UNFORCEMENT
(SF) STATE/FUNC
(NB) NO DETERMINATION(DEFAULT).
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Fred S. P. 39479

ANY QUESTIONS? CALL CSC CIRCLES STAFF

ACTION: DESC ONLY

A Cathay 6-6214

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ENFORCEMENT SENSITIVE INFORMATION
FOR INTERNAL USE ONLY

File # 39479



**PRELIMINARY ASSESSMENT/
VISUAL SITE INSPECTION**

**COMMONWEALTH EDISON
DRESDEN NUCLEAR POWER STATION
MORRIS, ILLINOIS
ILD 000 665 489**

FINAL REPORT

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Waste Programs Enforcement
Washington, DC 20460**

Work Assignment No.	:	R05032
EPA Region	:	5
Site No.	:	ILD 000 665 489
Date Prepared	:	March 28, 1994
Contract No.	:	68-W9-0006
PRC No.	:	309-R05032IL2J
Prepared by	:	PRC Environmental Management, Inc. (Robert Geiger)
Contractor Project Manager	:	Shin Ahn
Telephone No.	:	(312) 856-8700
EPA Work Assignment Manager	:	Kevin Pierard - 4/5/94
Telephone No.	:	(312) 886-4448

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2.0 FACILITY DESCRIPTION

This section describes the facility's location; past and present operations; waste generating processes and waste management practices; history of documented releases; regulatory history; environmental setting; and receptors.

2.1 FACILITY LOCATION

The Dresden Station facility is located on Lorenzo Road, about 4 miles west of Interstate 55, in Morris, Grundy County, Illinois. Figure 1 shows the location of the facility in relation to the surrounding topographic features (latitude 41°24'00"N and longitude 88°15'00"W) (Commonwealth Edison 1994). The facility property occupies about 2,500 acres in a mixed rural, agricultural and industrial area. The facility property is composed of the nuclear power generating station (the facility), a cooling lake located to the south of the facility, intake and discharge canals between the facility and the cooling lake, and a tract of land leased from the State of Illinois containing about 17 acres of river frontage on the northwest corner of the facility property.

The facility is bordered on the north by the Illinois River; on the west by the Elgin, Joliet, and Eastern Railway right of way; on the south by a county road; and on the east by the Kankakee River and the confluence of the Kankakee and Des Plaines Rivers.

2.2 FACILITY OPERATIONS

The Dresden Station facility is a nuclear power station that generates electricity. Heat generated through nuclear fission is used to boil water which flows through the nuclear reactor core. The steam resulting from this process is channeled to turbines where the heat energy of the steam is converted to mechanical energy which is used to drive a generator. The generator then converts the mechanical energy into electrical power. The steam is then channeled to the condenser where it is cooled. An off-gas system collects steam that is not channeled to the condenser. The off-gas system cools and rechannels this steam to the condenser. The condenser uses river water collected from the water intake structures located on the north side of the facility for cooling purposes. The water used for

VISUAL SITE INSPECTION SUMMARY

Commonwealth Edison, Dresden Nuclear Power Station
Lorenzo Road
Morris, Illinois 60450
ILD 000 665 489

Date: January 6, 1994

Primary Facility Representative: Grayce Madjewski, Commonwealth Edison
Representative Telephone No.: (312) 394-4453
Additional Facility Representatives: El Carroll, Commonwealth Edison
Don Fink, Commonwealth Edison
Bob Hocman, Commonwealth Edison
Michael Muth, Commonwealth Edison
Richard Ralph, Commonwealth Edison
Julia Wozniak, Commonwealth Edison

Inspection Team: Sandy Anagnostopoulos, PRC Environmental Management, Inc. (PRC)
Robert Geiger, PRC

Photographer: Robert Geiger, PRC

Weather Conditions: Cloudy and snowing, 20 °F

Summary of Activities: The visual site inspection (VSI) began at 10:00 a.m. with an introductory meeting. The inspection team explained the purpose of the VSI and the agenda for the visit. Facility representatives then discussed the facility's past and current operations, solid wastes generated, and release history. Facility representatives provided the inspection team with copies of requested documents.

The VSI tour began at 1:00 p.m. The inspection included the following areas where the SWMUs are located: the Mixed Waste Container Storage Area (CSA) (SWMU 1), the Hazardous and Nonhazardous Waste CSA (SWMU 2), the Satellite Accumulation Areas (SAA) (SWMU 3), the Oil and Water Separators (SWMU 4), the Non-Radioactive Wastewater Treatment Plant (WWTP) (SWMU 5), the Outdoor Sludge Drying Beds (SWMU 6), the Former Mixed Waste Storage Area (SWMU 7), and the Former Hazardous and Nonhazardous Waste CSA (SWMU 8).

The tour concluded at 3:30 p.m., after which the inspection team held an exit meeting with facility representatives. The VSI was completed and the inspection team left the facility at 4:00 p.m.

PRC conducted a follow-up VSI on February 24, 1994. The inspection included the following areas where one SWMU and three AOCs are located: the Former Mixed Waste Storage Area (SWMU 7), the Oil Contamination Area (AOC 1), the Diesel Fuel Oil Spill Area No. 1 (AOC 2), and the Diesel Oil Spill Area No. 2 (AOC 3).